

Title (en)

Web slitting machine

Title (de)

Vorrichtung zum Längsschneiden von Bahnen

Title (fr)

Dispositif pour coupes des bandes en long

Publication

EP 0655302 B1 20020410 (EN)

Application

EP 95200073 A 19900102

Priority

- EP 90300001 A 19900102
- US 29329889 A 19890103

Abstract (en)

[origin: EP0377484A2] A web slitting machine (10) for cutting a web or roll of material includes an upper carriage assembly (16) joined to a lower blade holder assembly (18) by a selectively removable guide key (38) which is milled to provide a predetermined cant angle for the blade (20). The blade (20) is lowered into position by a piston (54, 58) which is rectangular and includes a torsion-resisting sleeve (60a, 60b) to prevent rotation of the piston about its vertical axis. A pneumatic control provides a plurality of control modes whereby the blade (20) may be raised and lowered with or without locking the upper carriage assembly (16) to its transverse bar (14) and vice-versa. A unique side shift adjustment is provided whereby the blade (20) may be shifted to a half-stroke position and the upper carriage (16) locked when the blade is positioned against a lower knife (22). This ensures that the pressure of the blade (20) against the knife (22) is the pressure exerted at the mid point of the stroke. A parallelogram linkage (210, 212) biased by a spring (224) can provide a shock absorber for maintaining blade/knife contact in the presence of webs moving at high speed.

IPC 1-7

B26D 1/24; **B26D 5/04**; **B26D 7/26**

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1974877A1; US6474208B1; WO0218109A1; WO0025994A1

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EP 0377484 A2 19900711; **EP 0377484 A3 19910918**; **EP 0377484 B1 19961113**; AT E145167 T1 19961115; DE 69029097 D1 19961219; DE 69029097 T2 19970306; DE 69033943 D1 20020516; DE 69033943 T2 20021114; EP 0655302 A2 19950531; EP 0655302 A3 19961227; EP 0655302 B1 20020410; JP 2993688 B2 19991220; JP H02224996 A 19900906

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